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FOLLOW-UP OF OPERATION HEAD START PARTICIPANTS IN THE STATE OF IOWA. FINAL REPORT.

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A STEP BY STEP OUTLINE OF THE SYSTEM DEVELOPED TO MAKE AND KEEP RECORDS FOR A 2-YEAR FOLLOWUP STUDY OF IOWA HEADSTART PARTICIPANTS (SUMMER 1965), SUPPLIES DETAILED INFORMATION FOR THE ESTABLISHMENT OF A SIMILAR SYSTEM. THE IOWA EDUCATION INFORMATION CENTER OF THE UNIVERSITY OF IOWA AND THE OFFICE OF ECONOMIC OPPORTUNITY COOPERATED TO DEVELOP AN INFORMATION RETRIEVAL SYSTEM INCLUDING PUPIL IDENTIFICATION AND CONTINUOUS FILE MAINTENANCE. INCLUDED IN THIS FINAL REPORT OF THE PROJECT ARE COPIES OF THE TAPE LAYOUTS RELEVANT TO THE FILES, AND RETRIEVAL FORMATS NEEDED TO EXTRACT INFORMATION ABOUT THE HEADSTART POPULATION. A LONGITUDINAL FILE HAS BEEN SUCCESSFULLY MAINTAINED ON 79.4 PER CENT OF THE ORIGINAL HEADSTART PARTICIPANTS, A VERY GOOD RECORD CONSIDERING THE NUMBER OF PUPILS ENROLLED IN PAROCHIAL SCHOOL IN IOWA. (MS)

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FINAL REPORT

Dr. Walter J. Foley

1967

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FOLLOW-UP OF OPERATION HEAD START PARTICIPANTS

IN THE STATE OF IOWA

FINAL REPORT

Dr. Walter J. Foley

In July of 1965 the Office of Economic Opportunity commissioned the Iowa Educational Information Center, located at The University of Iowa, to identify participants in Project Head Start as they enter the educational system in the State of Iowa. The proposal further committed the Information Center to following these pupils for a two-year period after entry into the educational system. The proposal itself anticipated a five-year follow-up of Head Start pupils. But, the funding of the contract of July, 1965, was for a two-year period. The proposal itself was contingent upon the IEIC developing an elementary pupil data bank during the academic year of 1965-66. The elementary data bank project was a joint endeavor by The University of Iowa and the Iowa State Department of Public Instruction.

Objectives

The objectives of the proposal were:

1. To develop a system of identification of Project Head Start participants in the State of Iowa which would enable the IEIC to classify pupils as participating in Head Start Programs.

2. To develop a system of file maintenance for a continual identification of pupils for the two-year period of the proposal. Here again we have the proposal itself calling for a five-year follow-up period while funding was for the two-year period.

3. To develop a retrieval system which would allow a ready access to all information on Project Head Start participants at any time during the two-year contract period.

Major Phases

The proposal may be viewed in terms of three major phases. The first, or implementation phase, consisted of the following activities:

I. Implementation Phase:

1.1 Major activity during this period was of a developmental nature and included the selection and preparation of the staff within the Center.

1.2 Data from O.E.O. testing had been requested of Dr. John Johnson to establish a more complete file than was originally required of the proposal.

1.3 The system development activities for the project began. This involved the pre-programming of information on Head Start participants.

1.4 The tentative information collection instruments were developed for data collection.

1.5 A classification system for participants by program was planned in order to allow future comparisons across programs.

1.6 Activities for establishment of a File Maintenance Procedure which would enable the comparisons on continually maintained information were carried out.

1.7 Preliminary plans for a retrieval system were developed in order to obtain ready access to Head Start data from the IEIC total elementary file.

1.8 Miscellaneous activities related to the contract such as meetings, staff training, recruitment and long-range planning were also included in the routine administration of the contract.

1.9 Editing of the O.E.O. tape file received from the Data Processing Center of the Office of Economic Opportunity was completed.

1.10 Printing of forms for data collection was completed, along with preparation of manuals for use with data-collection forms.

1.11 Development of educational specifications continued and documentation was accomplished of the computer programs developed for the project.

1.12 Dissemination of the listing of participants in the project took place.

1.13 Receipt of the complete tape file on Iowa participants from the O.E.O. processing center was made. Because of delays at the Office of Economic Opportunity Data Processing Center, the tape file of Project Head Start participants in Iowa was difficult to develop. Special attention was called to this problem as it was crucial to the early analysis of Head Start Participant Data.

1.14 On November 4, 1965, Dr. Foley participated in a conference of Independent Investigators in New York City and exchanged information with other Head Start investigators.

II. The File Maintenance Phase:

2.1 The following O.E.O. tape files were received:

a) Medical Screening
b) Psychological Screening
c) Preschool Inventory
d) Parent Participation
e) Parent Evaluation
f) Worker Evaluation
g) Staff Member Information

2.2 Tape records from 1.1 were transferred to high-density tape for processing.

2.3 Printouts of available O.E.O. tape files were made.

2.4 Each record from 1.1 was reprogrammed into a compatible scoring system for future analysis.

2.5 The participant records on the P.A.T. were scored for two groups: those administered once and those administered twice.

2.6 The P.A.T. results were analyzed for gain on a Pre-Post design for the six centers which provided these data.

2.7 The Staff Member Information was analyzed for each center and total population by variable, sex, and total.

2.8 The attitude scale was reprocessed on a 1-0 scale for evaluations of Head Start children.

2.9 A computer program was written to merge and match the following O.E.O. tape files to secure a listing of complete information by center:

a) Medical screening
b) Psychological screening
c) Preschool inventory
d) Parent participation
e) Parent evaluation
f) Worker evaluation
g) Staff member information

Chi square analysis of staff characteristics on basis of splits on sex, age, etc., across centers was programmed.

2.10 A computer match of pupils from the 1966 spring administration of the Elementary Pupil Accounting Project with O.E.O. participants was made. The matched pupils were identified in the file for the total kindergarten population.

2.11 The process from 2.10 above was redone for the fall 1966 administration of the elementary pupil file. This process involved the updating of the kindergarten matches as the pupils entered first grade.

2.12 The figures from the original O.E.O. participant file, the kindergarten match file and the first grade file have been examined and a mortality rate was computed. A "hit" rate of 79.4% was achieved.

Matched	2,197
Unmatched	572
TOTAL	2,769

III. The Retrieval Phase:

3.1 The write-up and construction of the tables for the final report to O.E.O. was completed.

3.2 Documentation of the systems design and file layout for the pupil file was completed and is shown as Appendix A.

Summary

For the past two years, the Iowa Educational Information Center has cooperated with the Office of Economic Opportunity in following up Head Start participants from the Summer, 1965, programs. This follow-up project has been a highly successful cooperative endeavor and has maintained an identification and follow-up ratio of 79.4% of the original Head Start participants. Considering the number of pupils enrolled in parochial schools in Iowa, this figure gains added significance.

This final report presents the necessary steps undertaken to complete this project and copies of the system employed in identifying and following-up Head Start participants, the tape layouts that are relevant to the files created for maintaining these records, and the retrieval formats for pulling off information from the original Head Start population.

The Head Start follow-up contract entered into by the Iowa Educational Information Center has successfully maintained a longitudinal file on a large portion of the original Head Start participants in the State of Iowa. In addition, research was completed from these data to the extent of one doctoral dissertation completed in the summer of 1967 and four research articles submitted for publication in the summer of 1967.

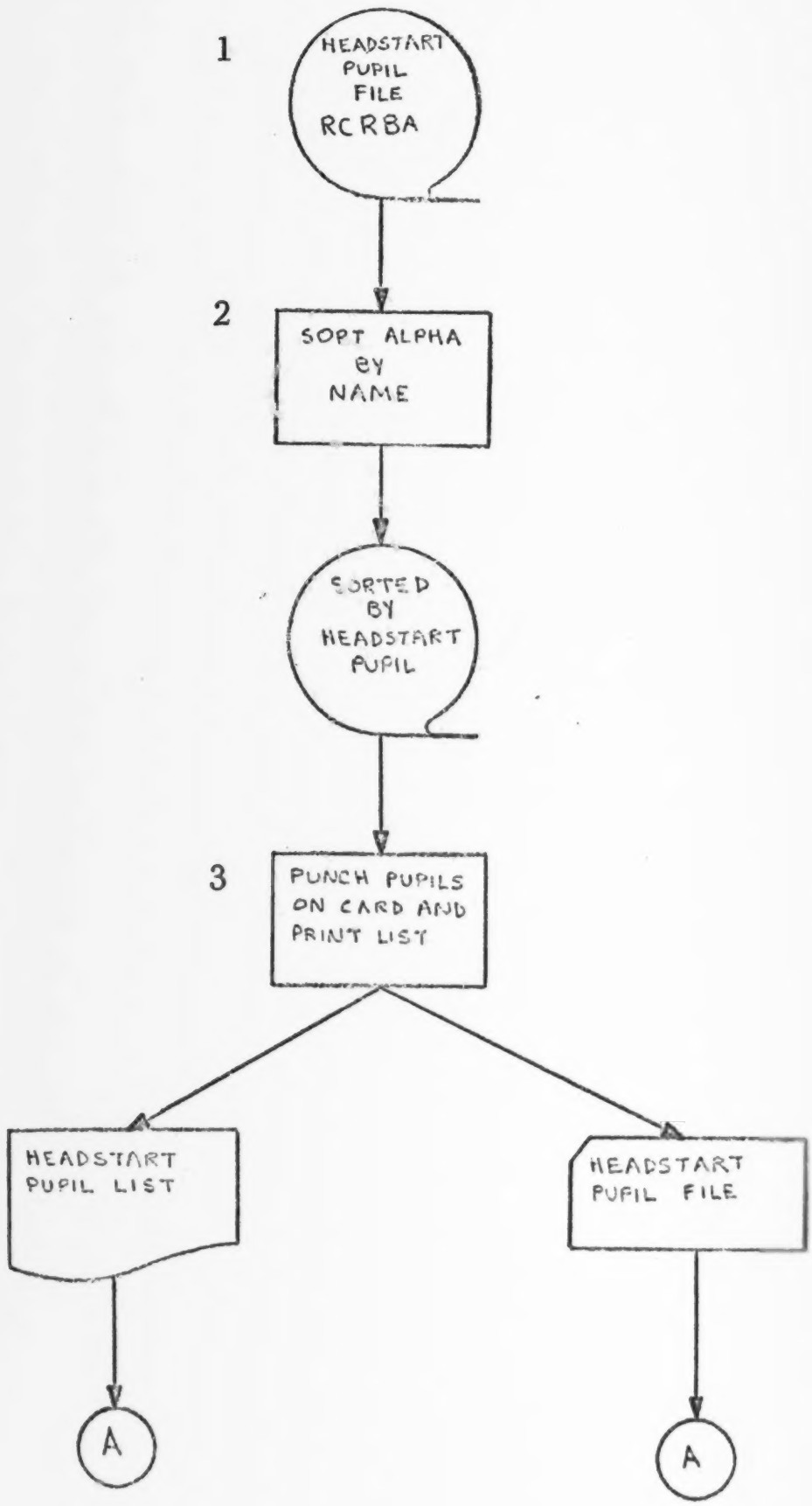
APPENDIX A

1965 HEADSTART IDENTIFICATION SYSTEM

1. A tape file of Iowa Headstart program participants for 1965 was obtained from the U. S. Office of Economic Opportunity. The file is labeled RCRBA and contains one record per pupil.

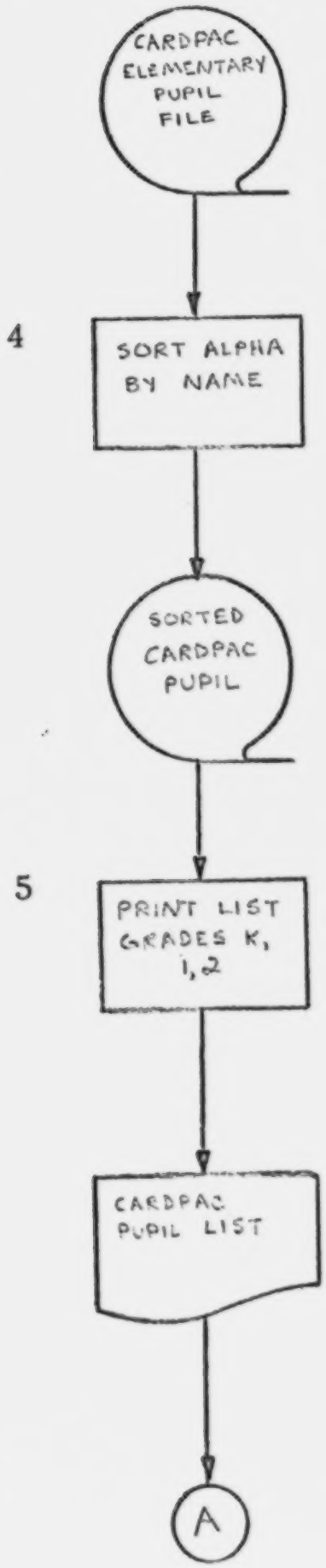
2. The tape file in step 1 is sorted in alphabetical sequence by pupil name.

3. A deck of cards and list of pupils are created in alphabetical sequence from the sorted tape. The list contains the pupil's name, Headstart identification number and Headstart center number. The card (one for each pupil) contains all information on the RCRBA file.


1
HEADSTART
PUPIL
FILE
RCRBA
2
SORT ALPHA
BY
NAME
SORTED
BY
HEADSTART
PUPIL
3
PUNCH PUPILS
ON CARD AND
PRINT LIST
HEADSTART
PUPIL LIST
HEADSTART
PUPIL FILE
A
A

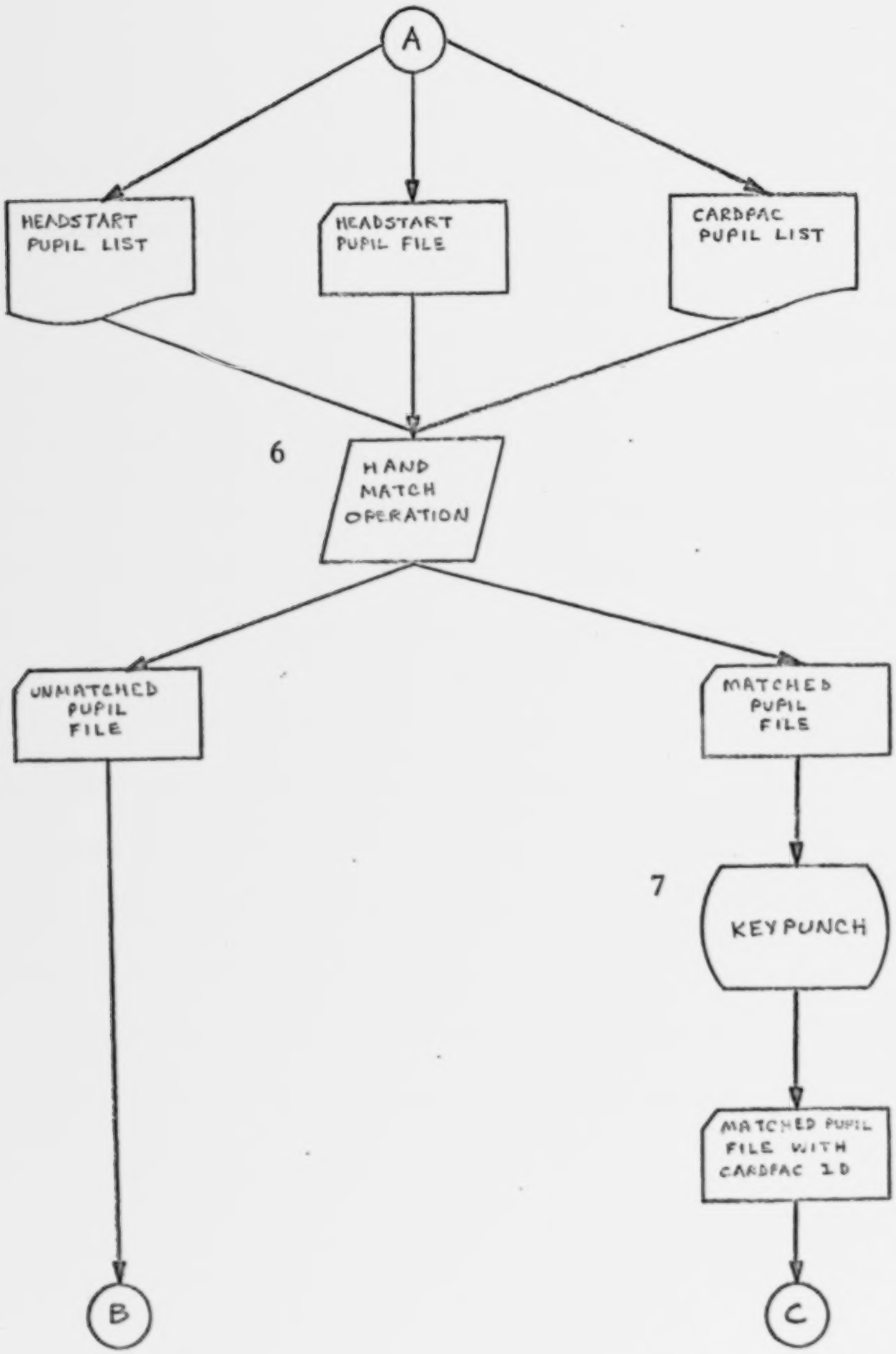
4. A tape file of all elementary CardPac pupils in Iowa was obtained and sorted into alphabetical name sequence.

5. From the sorted tape a list of all pupils in kindergarten, first and second grades was compiled containing their name, grade, CardPac ID, district, school code, and birth date. Only pupils in the grades listed could possibly be in the 1965 Headstart program.


CARDPAC ELEMENTARY PUPIL FILE
4
SORT ALPHA BY NAME
SORTED CARDPAC PUPIL
5
PRINT LIST GRADES K, 1, 2
CARDPAC PUPIL LIST
A

6. The names of the pupils on the two lists were then hand-matched and the pupil's CardPac ID and district-building ID were written on the corresponding Headstart pupil card. The geographical location of the Headstart center and the pupil's present school district also assisted in the match process.

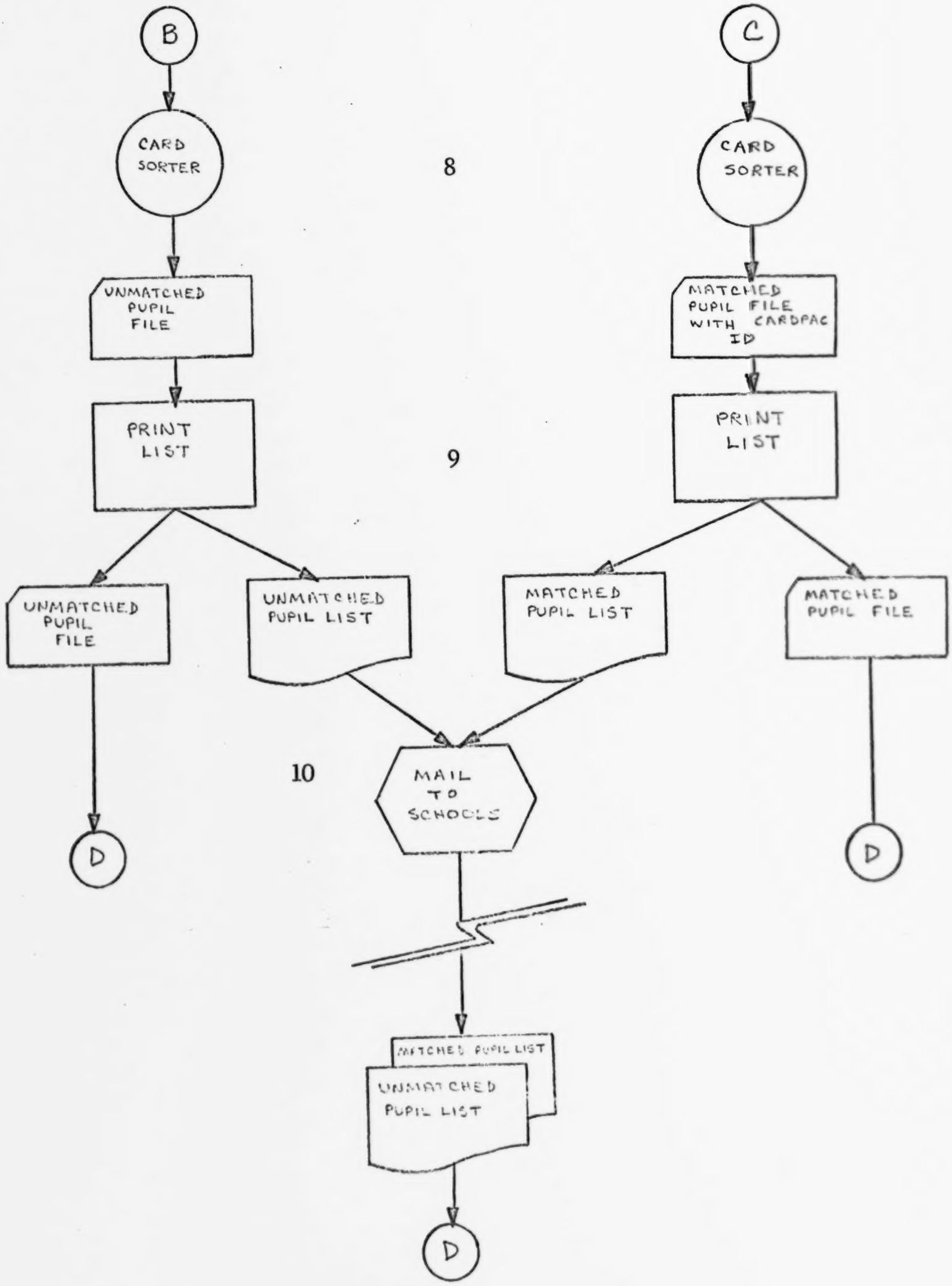
7. The matched and unmatched cards were sorted and the CardPac ID was keypunched into the matched pupil file.


A
HEADSTART PUPIL LIST
HEADSTART PUPIL FILE
CARDPAC PUPIL LIST
6
HAND MATCH OPERATION
UNMATCHED PUPIL FILE
MATCHED PUPIL FILE
7
KEYPUNCH
MATCHED PUPIL FILE WITH CARDPAC ID
B
C

8. The matched pupil file was then sorted into district school sequence. The unmatched pupil file was sorted into Headstart center sequence.

9. Both files were then printed on lists. The unmatched list contained pupil name, Headstart center, and space to write the CardPac ID. The matched list contained the school name, pupil name as it appeared both on the Headstart and CardPac files, and the CardPac ID.

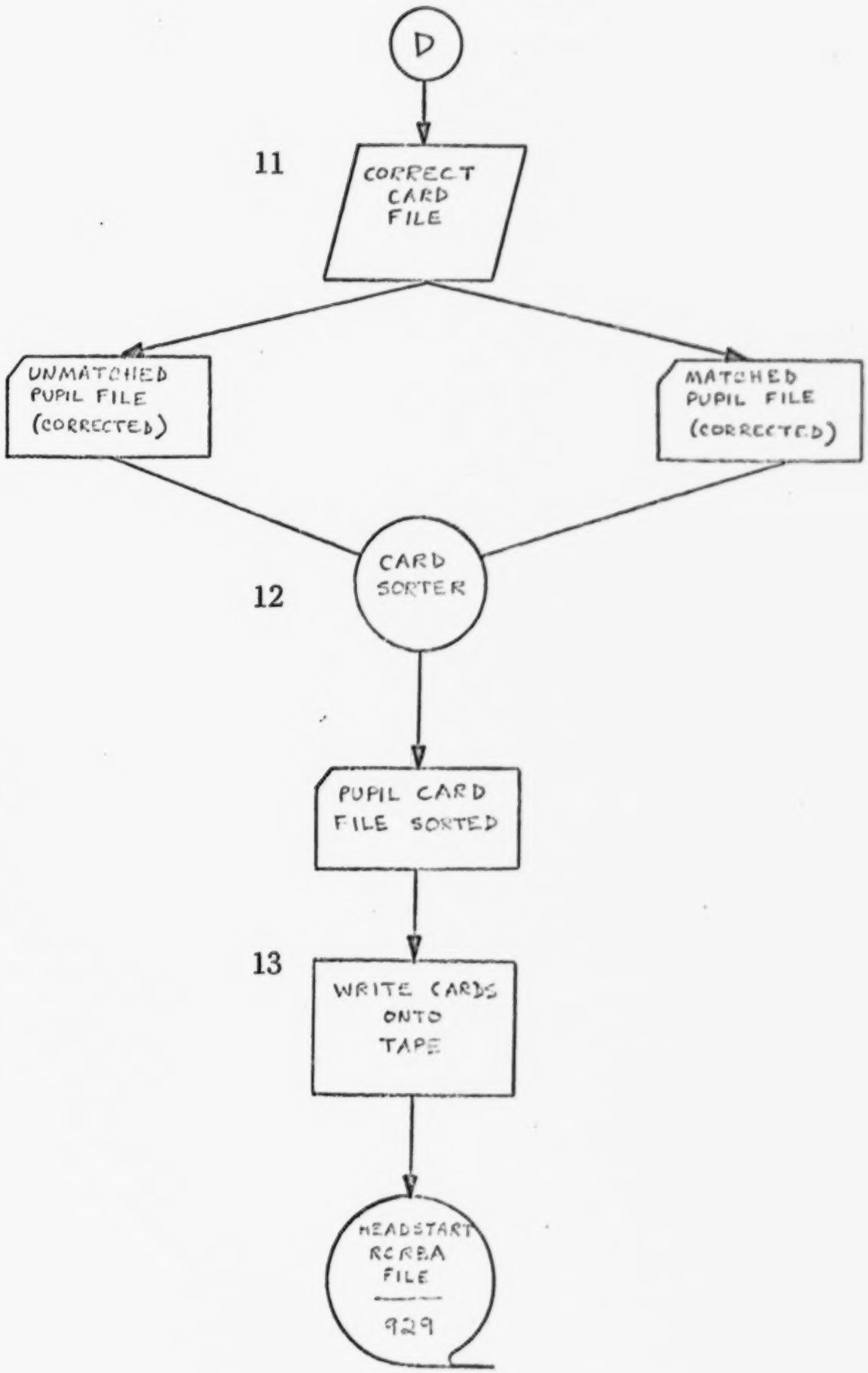
10. The matched list for each school was sent to the school to be verified. A copy of the unmatched list for a respective Headstart center was sent to all schools geographically close to the respective center. The schools were asked to verify that each pupil on the matched file did in fact participate in the Headstart program. They were also asked to write on the unmatched list the CardPac ID of any pupil they were able to identify.


B
CARD SORTER
UNMATCHED PUPIL FILE
PRINT LIST
C
CARD SORTER
MATCHED PUPIL FILE WITH CARDPAC ID
PRINT LIST
UNMATCHED PUPIL FILE
UNMATCHED PUPIL LIST
MATCHED PUPIL LIST
MATCHED PUPIL FILE
D
MAIL TO SCHOOLS
MATCHED PUPIL LIST
UNMATCHED PUPIL LIST
D
D

11. The lists were received by IEIC and any additions or changes noted by the schools were keypunched into the pupil card files.

12. The pupil file cards were finally sorted into Headstart ID sequence.

13. The entire file was read onto tape for storage.


D
11
CORRECT CARD FILE
UNMATCHED PUPIL FILE (CORRECTED)
MATCHED PUPIL FILE (CORRECTED)
CARD SORTER
12
PUPIL CARD FILE SORTED
13
WRITE CARDS ONTO TAPE
HEADSTART RCRBA FILE
929

TAPE FILE REQUIREMENTS Prepared by John A. Lilly Date 6-27-67 Page 1 of 1

External I.D. Label Headstart RCRBA with CardPac ID

Serial Number 929 Tape Type 49 Blocking Factor 10

Internal I.D. Label HDSTRT 929

Fixed Length - Record Length 72 chr.

Variable Length - Maximum Record Length _____

Characteristics: B.C.D. Binary

Header: [X] Standard - 1HDR (120ch.), TM, DATA

[ ] Non-Standard

Trailer: [X] Standard - DATA, TM, 1EOR or 1EOF, TM

[ ] Non-Standard

File is Output of 1965 Headstart Identification System

File is Input to _____

File Sequence Headstart Child ID

Positions From	Positions To	Type A or N	Field Description and Code Conversions
1	61		Information copied directly from Headstart RCRBA file
1	4	N	Record count
5	15	N	Center ID
16	21	N	Child ID
22	32		Miscellaneous Headstart location information
33	61	A	Child name
62	71	A/N	CardPac identification number

IBM SERIAL NO. 929

INTERNATIONAL BUSINESS MACHI

STORAGE LAY

IBM 1240 - 1401 - 1410 - 14

APPLICATION HEADSTART RCRBA FILE WITH CARDPAC ID

72 CHR.

STUDENT RECORD

| | | |

INESS MACHINES CORPORATION

AGE LAYOUT

1410 - 1420 - 1440 - 1460

BLOCKING FACTOR = 10

Form X24-6438-5

Printed in U. S. A.

JOHN LILLY

DATE DECEMBER 27, 1966

CHILD NAME				CARDPAC STUDENT ID			
AST NAME	FIRST NAME	MIDDLE	SUFX	CK LTR	DIST.	ID	#
35 40 45	50 55		60		65	70	75 80 85 90 95

35 40 45 50 55 60 65 70 75 80 85 90 95

35 40 45 50 55 60 65 70 75 80 85 90 95

35 40 45 50 55 60 65 70 75 80 85 90 95

35 40 45 50 55 60 65 70 75 80 85 90 95

35 40 45 50 55 60 65 70 75 80 85 90 95

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35 40 45 50 55 60 65 70 75 80 85 90 95

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